

Prior Art

FIG. 1

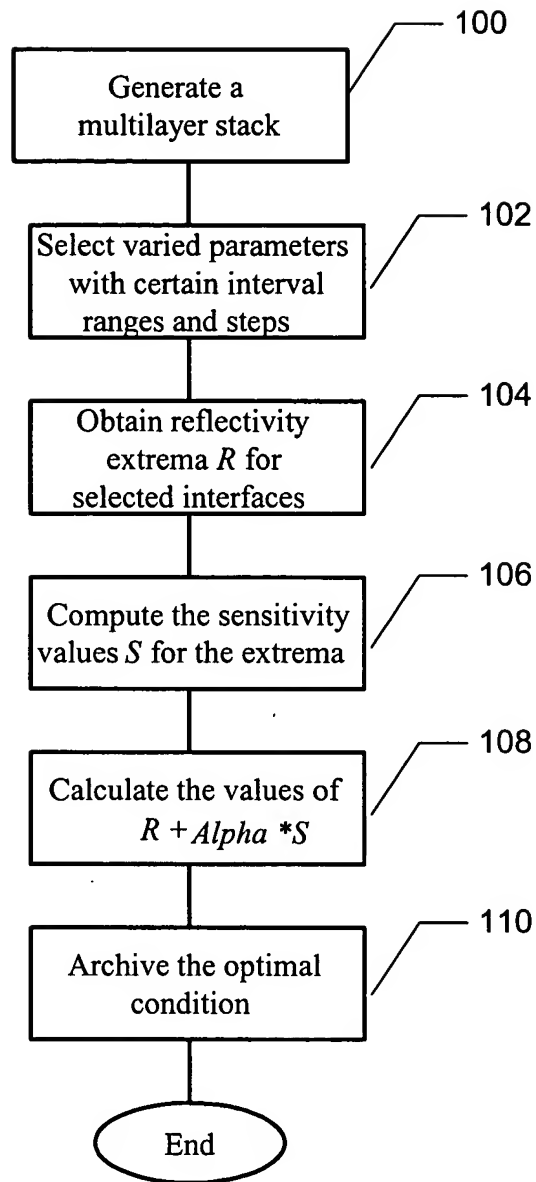


FIG. 2

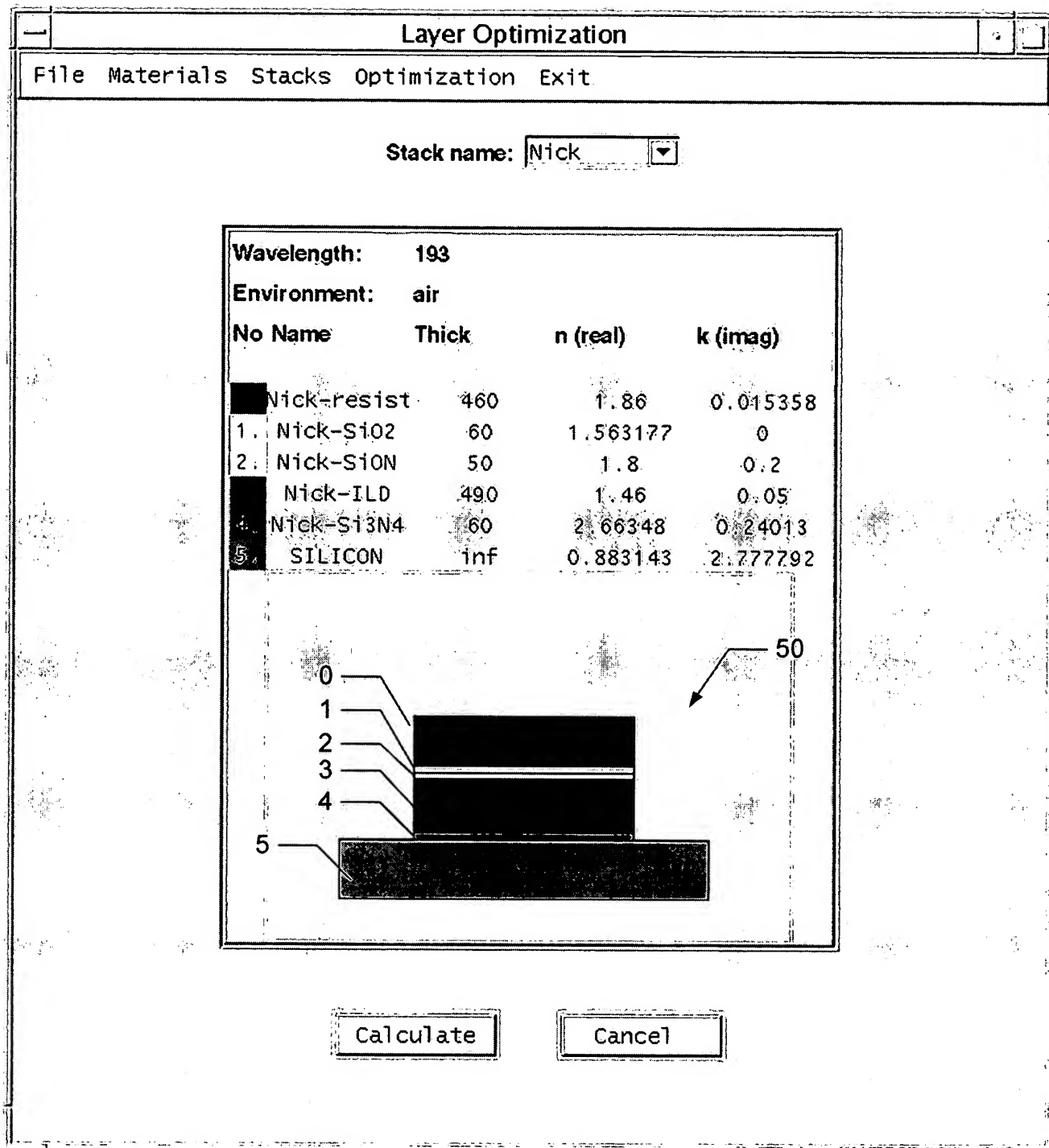
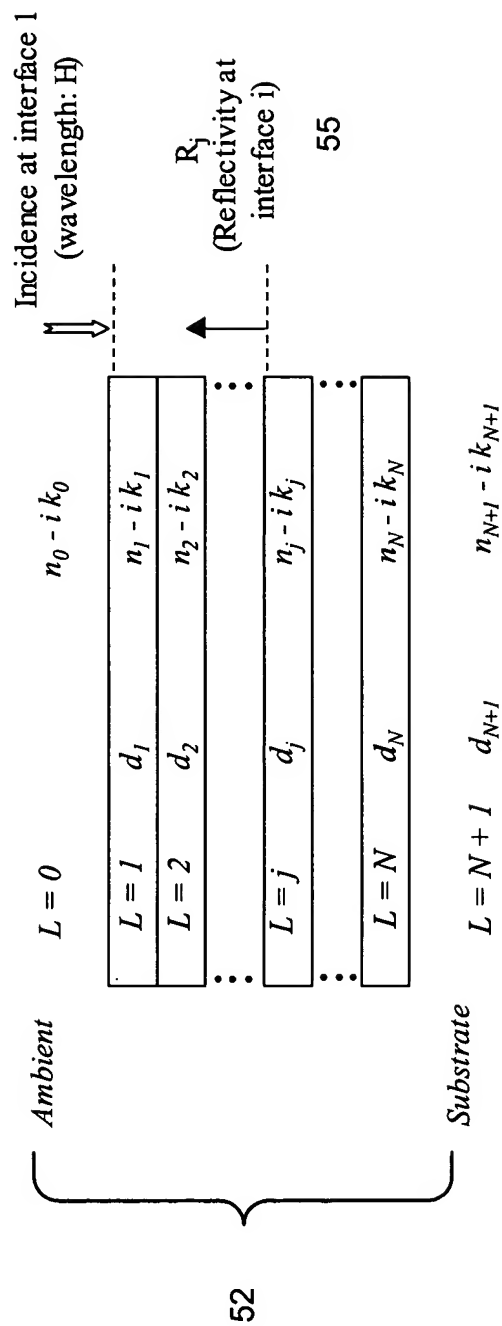


FIG. 3

<u>Layer #</u>	<u>Thickness</u>	<u>Index of Refraction</u>
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Define parameters

(k – imaginary part of refractive index)

Layer 1. Nick-resist

54

56

58

59

60

62

64

66

vary

current

min

max

step

t

n

k

☐

460

414.0

506.0

0

☐

1.86

1.674

2.046

0

☐

0.015358

0.0138222

0.0168938

0

Layer 2. Nick-SiO2

vary

current

min

max

step

t

n

k

☒

60

54.0

66.0

0

☐

1.563177

1.4068593

1.7194947

0

☐

0

0.0

0.0

0

Layer 3. Nick-SiON

vary

current

min

max

step

t

n

k

☒

50

45.0

55.0

0

☒

1.8

1.72

1.88

0

☒

0.2

0.1

0.3

0

Layer 4. Nick-ILD

vary

current

min

max

step

t

n

k

☒

490

480.0

500.0

0

☐

1.47

1.323

1.617

0

☒

0.05

0.0

0.1

0

Layer 5. Nick-Si3N4

vary

current

min

max

step

t

n

k

☐

☐

☐

OK

Cancel

FIG. 5

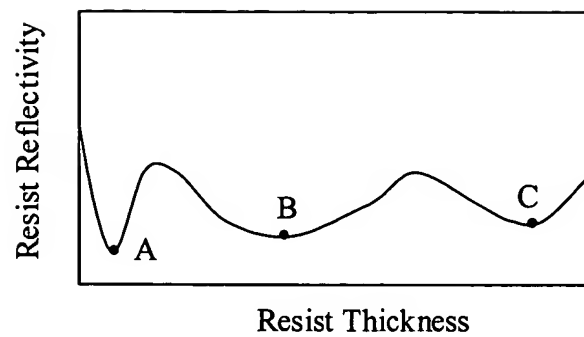


FIG. 6

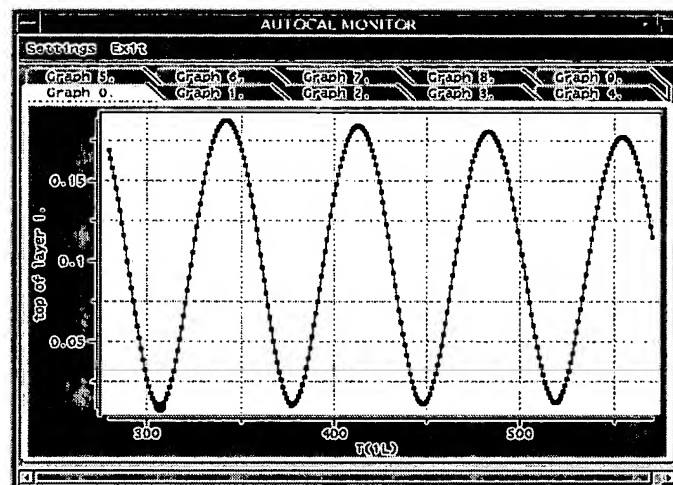


FIG. 7A

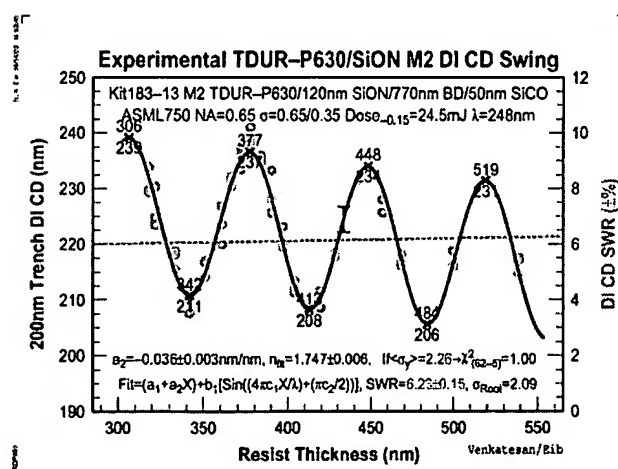


FIG. 7B